BENEQ TFS200

The Beneq TFS200 is our most installed and trusted research tool in academic and corporate R&D. The TFS200 has a myriad of upgrades and configurations available to fit your specific lab or application needs making this a flexible ALD research platform that will grow with you.

Example applications include:

- Pt ALD on nanotubes for photocatalysis
- Al_2O_3 ALD on NMC532 battery electrodes
- Y_2O_3 ALD for anticorrosion applications

CUSTOMIZABLE: Work with our experts to find the right configuration for your lab environment. Choose from number of options including direct/remote plasma, small batch chambers, and ranges of gas lines and sources.

INTEGRATABLE: TFS200 is easy to integrate into existing production lines or cluster tools and can be equipped with auxiliary tools, like a glove box or load lock, for added versatility and automation.

TRUSTED: Over 200 TFS200 tools are currently in operation at nearly 150 universities and institutes, resulting in hundreds of published articles and countless impactful results.

BENEQ TFS200 Specifications

PROCESS TYPE	Thermal ALD Plasma-Enhanced ALD
USAGE	Research & Development, Production
INTEGRATION	Stand-alone, Cluster, Glovebox, Loadlock
DIMENSIONS	1325 × 600 × 1298 mm
TEMPERATURE RANGE	25–500 °C
SUBSTRATE TYPE	Up to 200 mm wafers 3D parts up to 200 × 200 mm

Beneq Research Equipment

Beneq maintains the largest install base of ALD research equipment for academic research and corporate R&D. We are dedicated to providing customers with premium, versatile research equipment to meet demanding lab environments and enable cutting-edge results.

Beneq TFS200
The most flexible and highly customizable ALD research platform.

Beneq TFS500
Diverse configurations available for single and batch processes.

Beneq R2
Compact, scalable, and affordable to start your ALD journey.